

1. An oil-in-water emulsion formulation, comprising

5 a) one or more insecticides, in particular pyrethroids;

b) one or more solvents from the group of esters of aliphatic monocarboxylic acids, esters of aliphatic dicarboxylic acids, esters of aromatic monocarboxylic acids esters of aromatic dicarboxylic acids and tri-n-alkylphosphates;

c) an emulsifier system comprising one or more anionic surfactants and two or

10 more non ionic surfactants, one of which has a HLB value between 4 and 12 and one of which has a HLB value between 12 and 20;

d) one or more film forming agents/thickeners; and

e) water.

2. The formulation as claimed in claim 1, wherein the insecticide is a pyrethroid.

3. The formulation as claimed in claim 2, wherein the pyrethroid is deltamethrin.

4. The formulation as claimed in claim 1, comprising a polar cosolvent.

20 5. The formulation as claimed in claim 1 comprising further additives and/or auxiliaries from the groups of, antifreeze agents, stabilizing agents, antifoams/defoamers, preservatives, colouring agents and odor masking products.

25 6. The formulation as claimed in claim 1 comprising 0.05 to 200 g/l of the active ingredient(s).

7. A process for producing an oil-in-water emulsion formulation as claimed in claim 1, comprising the steps of

30 A. the preparation of an organic phase containing the insecticide(s), the emulsifier system and optionally further auxiliaries in the organic solvent(s) and optionally a polar co-solvent;

- B. the preparation of an aqueous phase containing water, the film forming agent/thickener and further hydrophilic auxiliaries; and
- C. the mixing of the organic phase and the aqueous phase under high shear to obtain the oil-in-water emulsion.

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- 8. The process as claimed in claim 7, wherein the insecticide is a pyrethroid.
- 9. The process as claimed in claim 8, wherein the pyrethroid is deltamethrin.
- 10. 10. A method of controlling pests comprising applying an aqueous dilution of an oil-in-water emulsion formulation as claimed in claim 1 to the pests or to plants or other locuses infected with or frequented by the pests.
- 11. The method as claimed in claim 10, wherein the insecticide is a pyrethroid.
- 12. The method as claimed in claim 11, wherein the pyrethroid is deltamethrin.

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